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St. Viator College

BULLETIN NO. 2

Winter Course in Agriculture

NOVEMBER 29, 1915 TO APRIL 19, 1916

Instructors

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KANKAKEE, ILLINOIS
Post Office—Bourbonnais, Illinois

St. Viator College, Bourbonnais, Illinois

To meet the need of those who cannot attend the regular sessions of its Agricultural School, St. Viator College offers a Winter Course, beginning Monday, November 29th, 1915, and ending Wednesday, April 19th, 1916. All boys and young men who have had an eighth grade education or its equivalent are eligible for this course.

An experimental field is maintained upon which the principles studied in the class rooms are demonstrated. Here the student also studies the growth, adaptation, and relative value of various types or varieties of the grasses, clovers, alfalfa, and other legumes, millets, sorghums, rape, wheat, corn, oats, rye, barley and miscellaneous crops.

AGRICULTURE.

Farm Soils—A general elementary course in the study of soils equivalent to a half year in the regular course. It consists of lectures, text book and reference readings, and laboratory practice covering the following topics: Origin, formation, classifications, chemical and physical properties of surface soils and sub-soils, organic matter, humus, nitrogen, and inorganic constituents and their immediate influence on economic crop production. Soil water—Forms, functions, crop requirements, availability, control and drainage. Soil air—Soil temperature. Microorganisms—Functions, distribution, condition for development, nitrification. Tillage—Implements, methods, kinds, functions, areas and types of Illinois soils, farm manures, green manures, and crop residue. Crop rotation, commercial fertilizers, and Illinois soil problems.

Three recitations and two laboratory periods per week.

Field Crops—An elementary course covering a half year of work on the following topics:

Classification of plants and crops.

A detailed study of corn, wheat, grasses and legumes, emphasizing alfalfa. Points developed include history, structure, physiology, seed selection, and storage, methods of planting and tillage, crop enemies and their extermination.

Examining, identifying, grading and testing of seeds, use of score cards, germination tests, methods of home breeding plats and breeding for improvement, crop rotation and yields.

Three recitations and two laboratory periods per week.

Animal Husbandry—Types and breed of farm animals, history and development of important breeds, judging the various types and breeds of horses, cattle, sheep, swine and poultry.

Housing, care and handling of stock. Principles of feeding and the balanced ration. Heredity, selection and pedigrees.

Lectures and recitation five periods per week.

Stock judging five periods per week.

CHEMISTRY.

Elementary Agricultural Chemistry.

An introductory course covering the fundamentals of inorganic and brief introduction to organic chemistry. The gases and metals of agricultural importance are studied. The following topics are treated: Oxygen, hydrogen, nitrogen, and the more important soil forming elements—silicon, phosphorus, sulphur, chlorine, magnesium, carbon, aluminum, potassium, sodium, calcium, and iron. In the latter part of the course attention is directed to the presence of these elements in organic compounds, in the soils, and in the plants and animals.

Lectures, demonstrations, quizes, and laboratory practice.

Four hours recitation and six hours laboratory work per week.

BOTANY.

Agricultural Botany—This course is adapted to students who have had no training in this subject. The object here sought is to present in a short course that kind of botanical knowledge which will be of most service to those students intending to follow scientific farming as a life-work. The work is designed to give practical knowledge of the essential and fundamental principles of plant life. Special emphasis is laid upon various economic farm plants.

Lectures and recitations two periods per week.

Laboratory exercises and field trips two periods per week.

ENGLISH.

A practical course in simple, exact, forceful English, calculated to make the pupil read, write and speak the language intelligently. Readings selected with a view to develop an appreciation of country environment.

Five periods per week.

BOOKKEEPING.

In this course the theory of Bookkeeping is thoroughly imparted and practical work done in journalizing, posting, the trial balance, the balance sheet, and closing accounts. Commercial paper is also handled.

In connection with the Bookkeeping Course, daily drills are given in the Palmer Method of Penmanship.

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LECTURES.

A series of lectures by agricultural experts and scientific farmers will supplement the work of the class room.

TERMS, PAYABLE IN ADVANCE.

Day Students—Tuition and all ordinary fees, $50.00.

Resident Students—Board, lodging, tuition and all ordinary fees, $150.00.

All students are accepted subject to the conditions stated in the general catalogue of St. Viator College, a copy of which will be sent free upon application to

J. P. O'MAHONEY, C. S. V., President.

GENERAL INFORMATION.

St. Viator College offers FIVE college courses leading to one or other of the following degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Philosophy, and Bachelor of Letters.

Connected with the College is St. Viator College High School, a well organized four year high school in which the student may elect from seven distinct groups of studies the one best suited to his aptitude.

Resident students have four hours of study and four hours of recitation a day. An average of one teacher to every twenty pupils gives a splendid opportunity for individual work. The discipline of the college aims at character building. The college invites the inspection of the public.

Democrat Print Kankakee, Illinois